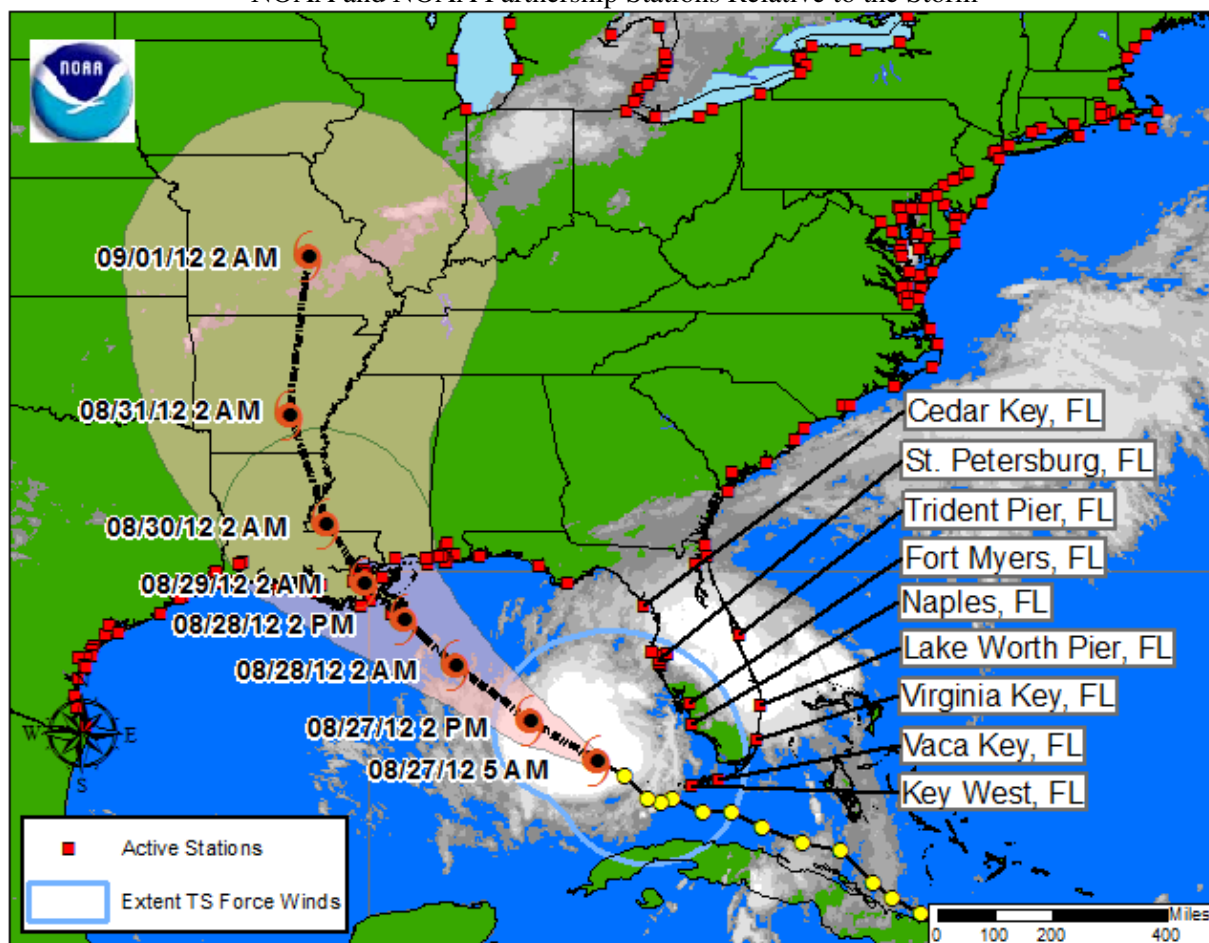




Tropical Storm ISAAC QuickLook
Posted: 06:00 EDT 08/27/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/27/2012 06:00 EDT, water levels in southeastern Florida and the Keys are elevated between 0.2 and .9 ft above predicted tide levels. Water levels along the western coast of Florida from Cedar Key to Naples have fallen between 0.2 and 2.0 ft below predictions. Winds across southern Florida generally range 15 to 30 knots with some gusts up to 45 knots. Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 2.1 ft (0.64 m) at 08/27/2012 06:47 EDT and 1.2 ft (0.38 m) at 08/27/2012 20:27 EDT.

Vaca Key, FL: Next predicted high tides are 1.1 ft (0.32 m) at 08/27/2012 09:24 EDT and 0.7 ft (0.22 m) at 08/28/2012 01:34 EDT.

Tropical Storm ISAAC QuickLook, POSTED 06:00 EDT 08/27/2012

Virginia Key, FL: Next predicted high tides are 2.4 ft (0.72 m) at 08/27/2012 18:29 EDT and 2.4 ft (0.73 m) at 08/28/2012 06:48 EDT.

Lake Worth Pier, FL: Next predicted high tides are 3.3 ft (1.01 m) at 08/27/2012 17:37 EDT and 3.0 ft (0.91 m) at 08/28/2012 05:51 EDT.

Trident Pier, FL: Next predicted high tides are 4.4 ft (1.33 m) at 08/27/2012 17:13 EDT and 3.6 ft (1.10 m) at 08/28/2012 05:26 EDT.

Naples, FL: Next predicted high tides are 3.2 ft (0.97 m) at 08/27/2012 09:22 EDT and 2.4 ft (0.75 m) at 08/27/2012 23:24 EDT.

Fort Myers, FL: Next predicted high tides are 1.6 ft (0.49 m) at 08/27/2012 12:55 EDT and 1.0 ft (0.32 m) at 08/28/2012 02:58 EDT.

St. Petersburg, FL: Next predicted high tides are 2.7 ft (0.81 m) at 08/27/2012 10:46 EDT and 1.7 ft (0.52 m) at 08/28/2012 02:01 EDT.

Cedar Key, FL: Next predicted high tides are 4.0 ft (1.22 m) at 08/27/2012 10:37 EDT and 3.2 ft (0.99 m) at 08/28/2012 00:50 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:ADW

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM ISAAC ADVISORY NUMBER 25
NWS NATIONAL HURRICANE CENTER MIAMI FL
500 AM EDT MON AUG 27 2012

...ISAAC CONTINUES WEST-NORTHWESTWARD...EXPECTED TO STRENGTHEN...NEW
WATCHES AND WARNINGS ISSUED FOR THE COAST OF LOUISIANA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FROM INTRACOASTAL CITY TO MORGAN CITY LOUISIANA.

A HURRICANE WATCH HAS BEEN ISSUED FROM INTRACOASTAL CITY TO MORGAN CITY LOUISIANA.

A TROPICAL STORM WATCH HAS BEEN ISSUED FROM EAST OF SABINE PASS TO WEST OF INTRACOASTAL CITY LOUISIANA.

THE HURRICANE WATCH FOR THE FLORIDA PANHANDLE FROM EAST OF DESTIN TO INDIAN PASS HAS BEEN DISCONTINUED.

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED ALONG THE EAST COAST OF FLORIDA NORTH OF OCEAN REEF AND FOR LAKE OKEECHOBEE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * EAST OF MORGAN CITY LOUISIANA TO DESTIN FLORIDA...INCLUDING METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

- * INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * THE FLORIDA PENINSULA FROM OCEAN REEF SOUTHWARD ON THE EAST COAST AND FROM TARPON SPRINGS SOUTHWARD ON THE WEST COAST
- * FLORIDA KEYS...INCLUDING THE DRY TORTUGAS AND FLORIDA BAY
- * EAST OF DESTIN FLORIDA TO THE SUWANNEE RIVER
- * INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * EAST OF SABINE PASS TO WEST OF INTRACOASTAL CITY LOUISIANA

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. A WARNING IS TYPICALLY ISSUED 36 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA. A WATCH IS TYPICALLY ISSUED 48 HOURS BEFORE THE ANTICIPATED FIRST OCCURRENCE OF TROPICAL STORM FORCE WINDS...CONDITIONS THAT MAKE OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES... INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED BY AN AIR FORCE

RESERVE HURRICANE HUNTER AIRCRAFT ABOUT 180 MI SW OF FT. MYERS FLORIDA AND ABOUT 405 MI SE OF THE MOUTH OF THE MISSISSIPPI RIVER . ISAAC IS MOVING TOWARD THE WEST-NORTHWEST NEAR 14 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE TODAY WITH A GRADUAL DECREASE IN FORWARD SPEED. A TURN TOWARD THE NORTHWEST IS EXPECTED ON TUESDAY. ON THE FORECAST TRACK...THE CENTER OF ISAAC WILL MOVE OVER THE EASTERN GULF OF MEXICO TODAY AND APPROACH THE NORTHERN GULF COAST IN THE HURRICANE WARNING AREA ON TUESDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 65 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS...AND ISAAC IS EXPECTED TO BECOME A HURRICANE IN A DAY OR SO.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 240 MILES FROM THE CENTER.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON DATA FROM THE AIRCRAFT IS 990 MB.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * SOUTHEAST LOUISIANA...MISSISSIPPI...AND ALABAMA...6 TO 12 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE...3 TO 6 FT
- * FLORIDA WEST COAST INCLUDING APALACHEE BAY...1 TO 3 FT
- * SOUTHEAST FLORIDA COAST AND THE FLORIDA KEYS...1 TO 2 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

WIND...TROPICAL STORM CONDITIONS ARE OCCURRING OVER THE FLORIDA KEYS...AND SHOULD SPREAD NORTHWARD ALONG THE FLORIDA WEST COAST IN THE TROPICAL STORM WARNING AREA TODAY.

TROPICAL STORM CONDITIONS ARE EXPECTED TO REACH THE NORTHERN GULF COAST IN THE HURRICANE WARNING AREA LATER TODAY...WITH HURRICANE CONDITIONS EXPECTED ON TUESDAY.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE ADDITIONAL RAIN ACCUMULATIONS OF 1 TO 3 INCHES OVER CENTRAL AND SOUTHERN FLORIDA... WHERE ISOLATED MAXIMUM STORM TOTAL AMOUNTS OF 15 INCHES ARE POSSIBLE. TOTAL RAINFALL AMOUNTS OF 6 TO 12 INCHES...WITH MAXIMUM AMOUNTS OF 18 INCHES...ARE POSSIBLE IN SOUTHEASTERN LOUISIANA... SOUTHERN ALABAMA...MISSISSIPPI AND THE WESTERN FLORIDA PANHANDLE.

TORNADOES...ISOLATED TORNADOES ARE POSSIBLE FROM CENTRAL FLORIDA THROUGH THE NORTHEASTERN GULF COAST TODAY AND TONIGHT. THE TORNADO THREAT WILL DIMINISH OVER SOUTH FLORIDA AND THE FLORIDA KEYS THIS MORNING.

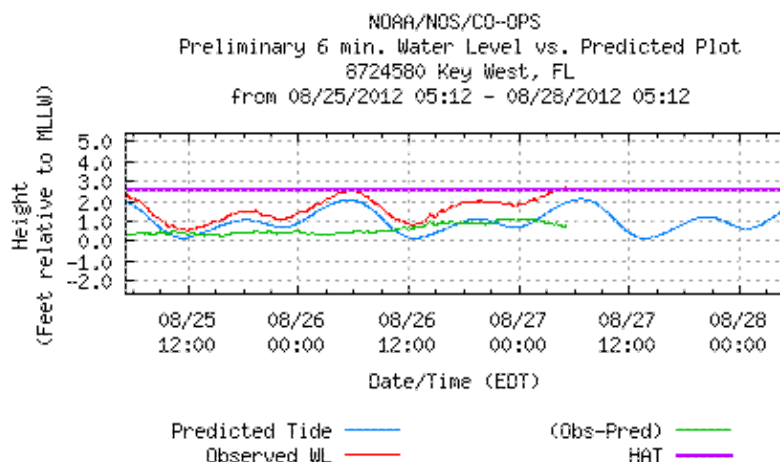
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE NORTHWESTERN BAHAMAS...THE FLORIDA PENINSULA AND THE FLORIDA KEYS DURING THE NEXT DAY OR SO...AND BEGIN TO AFFECT PORTIONS OF THE NORTHERN GULF COAST TODAY. PLEASE CONSULT PRODUCTS FROM YOUR LOCAL WEATHER OFFICE FOR MORE INFORMATION.

FORECASTER BRENNAN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Barometric](#), [Fort Myers - Water Level](#), [Fort Myers - Winds](#), [Fort Myers - Barometric](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#), [St. Petersburg - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [Cedar Key - Barometric](#),

[Key West, FL - Return to List](#)

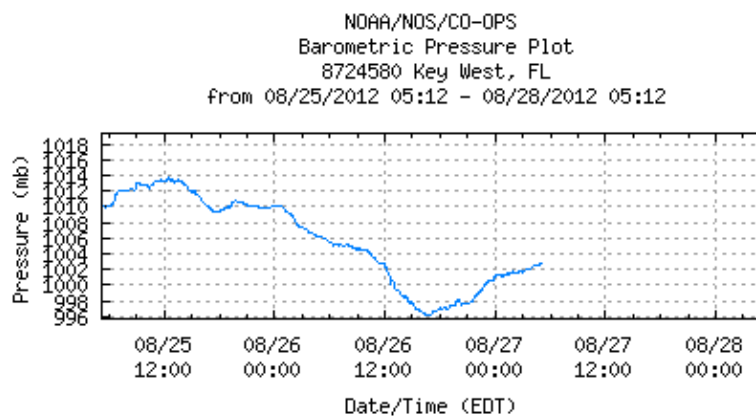


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 2.70 ft.** **Predicted: 1.94 ft.** **Residual: 0.76 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

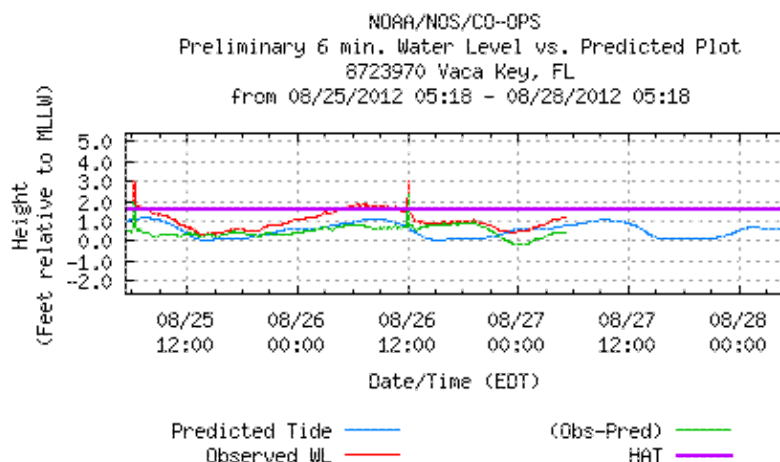
[Key West, FL - Return to List](#)



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1002.9 mb

Vaca Key, FL - Return to List

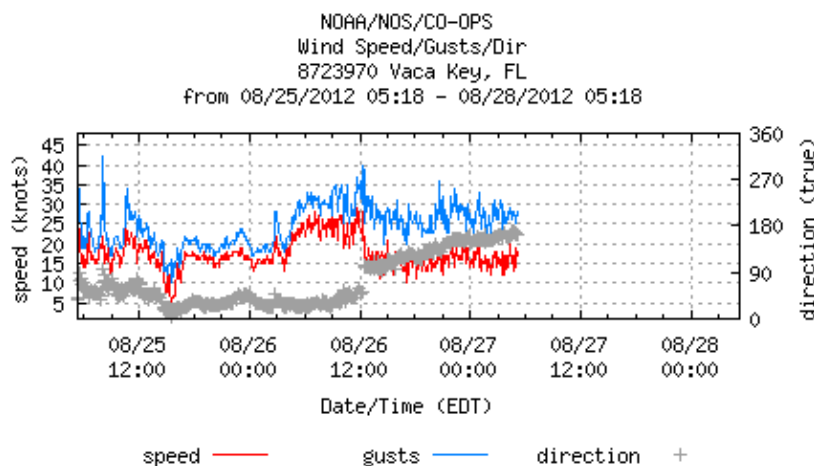


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 1.21 ft.** **Predicted: 0.78 ft.** **Residual: 0.43 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

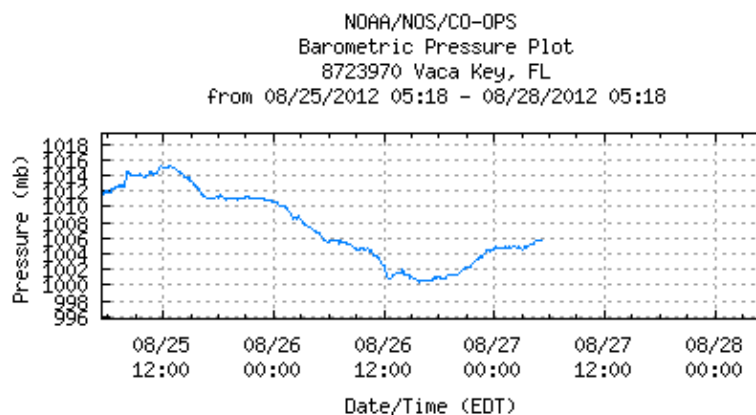
Vaca Key, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Wind Speed: 17 knots **Gusts: 28 knots** **Direction: 165° T**

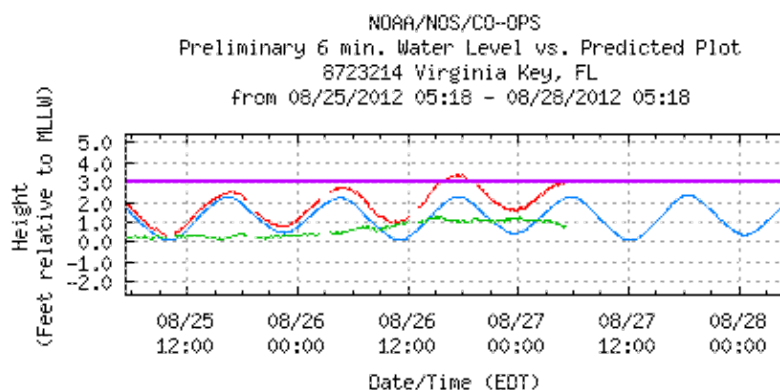
Vaca Key, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1005.7 mb

Virginia Key, FL - Return to List

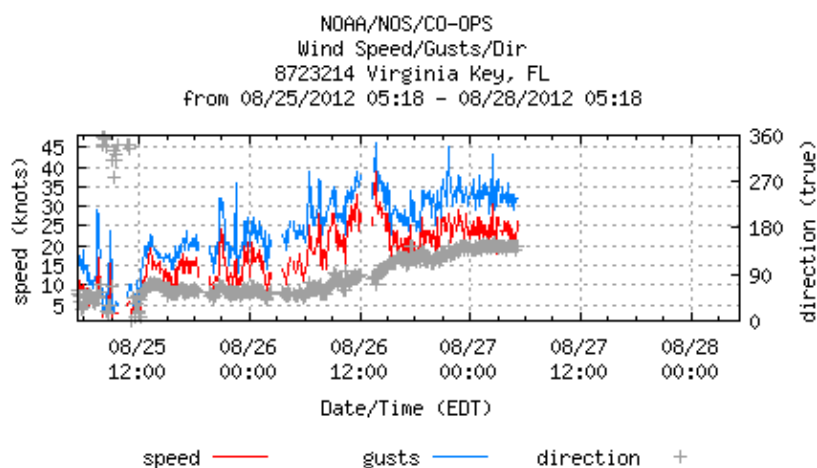


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 3.01 ft.** **Predicted: 2.21 ft.** **Residual: 0.80 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

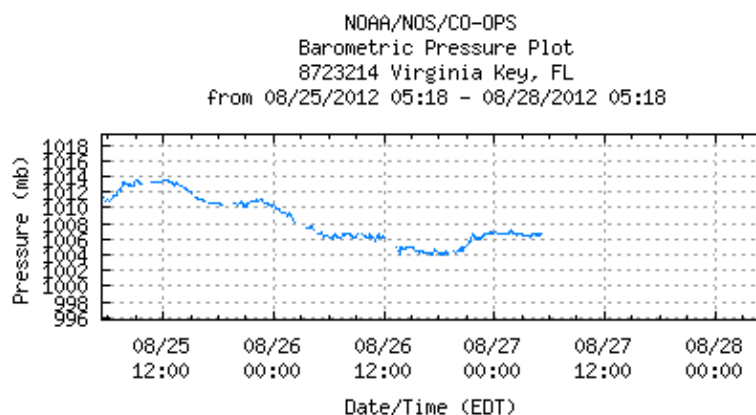
Virginia Key, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Wind Speed: 26 knots Gusts: 32 knots Direction: 143° T

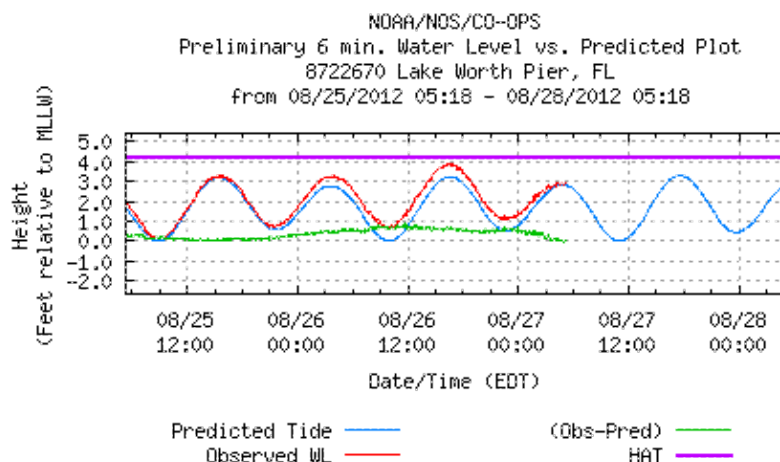
Virginia Key, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1006.7 mb

Lake Worth Pier, FL - Return to List

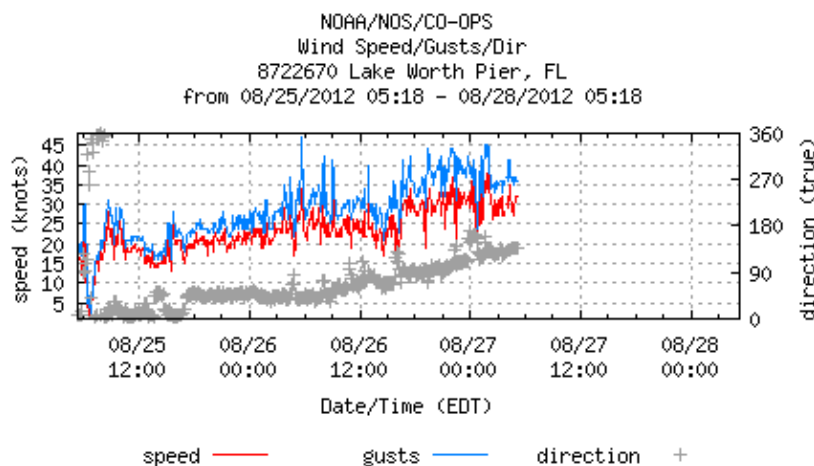


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 2.91 ft.** **Predicted: 2.83 ft.** **Residual: 0.08 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

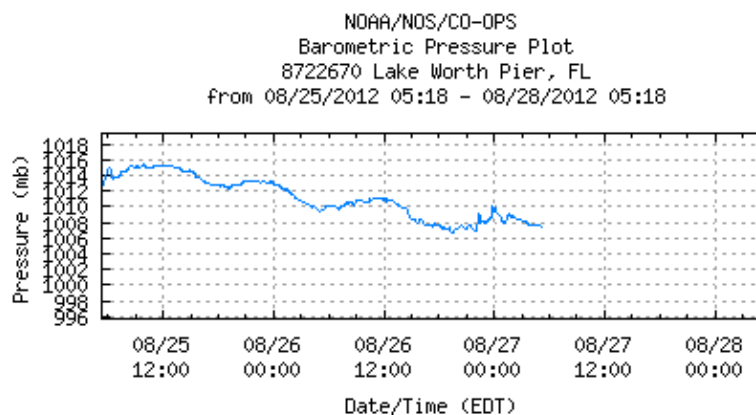
Lake Worth Pier, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

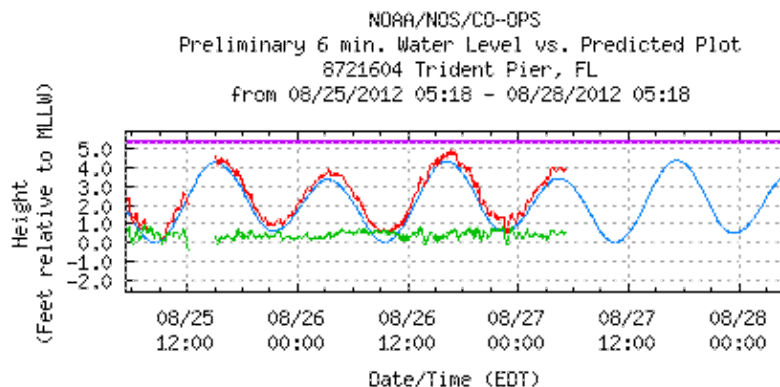
Wind Speed: 32 knots **Gusts: 36 knots** **Direction: 139° T**

Lake Worth Pier, FL - Return to List



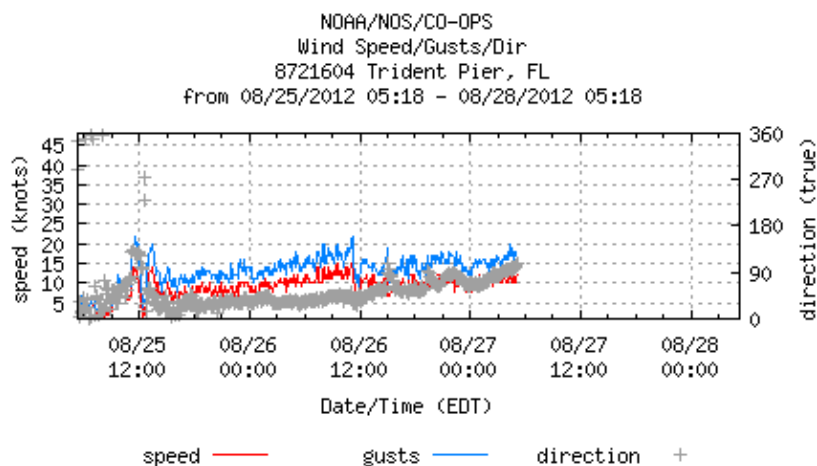
barometric pressure —
Last Observed Sample: 08/27/2012 05:06 (EDT)
Barometric Pressure: 1007.5 mb

Trident Pier, FL - Return to List



Predicted Tide — (Obs-Pred) —
Observed WL — HAT —
Last Observed Sample: 08/27/2012 05:06 (EDT)
Relative to MLLW: **Observed: 3.88 ft. Predicted: 3.33 ft. Residual: 0.55 ft.**
Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

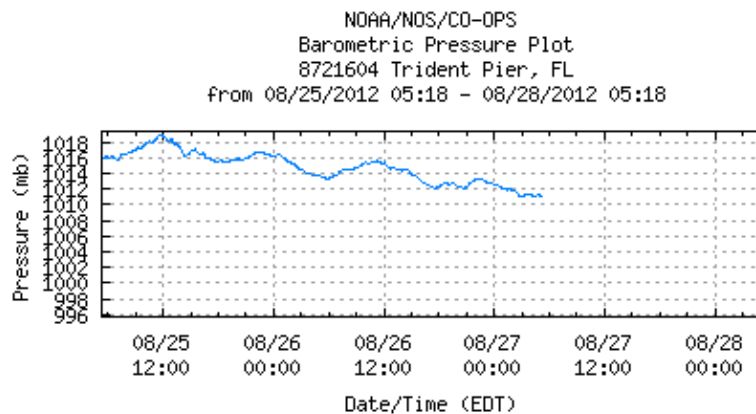
Trident Pier, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Wind Speed: 12 knots Gusts: 16 knots Direction: 107° T

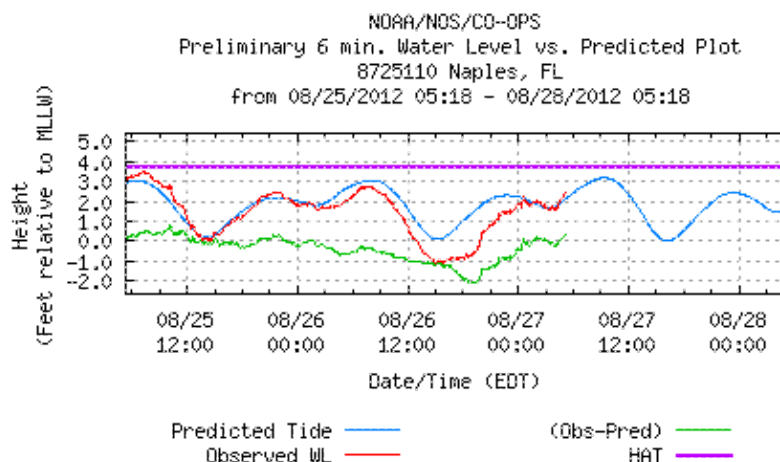
Trident Pier, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1011.2 mb

Naples, FL - Return to List

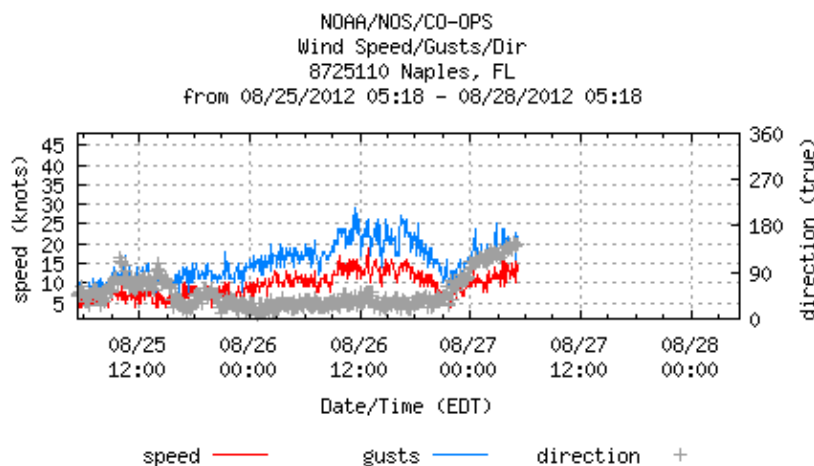


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 2.47 ft.** **Predicted: 2.11 ft.** **Residual: 0.36 ft.**

Historical Maximum Water Level: Dec 21 1972, 3.11 ft. above MHHW

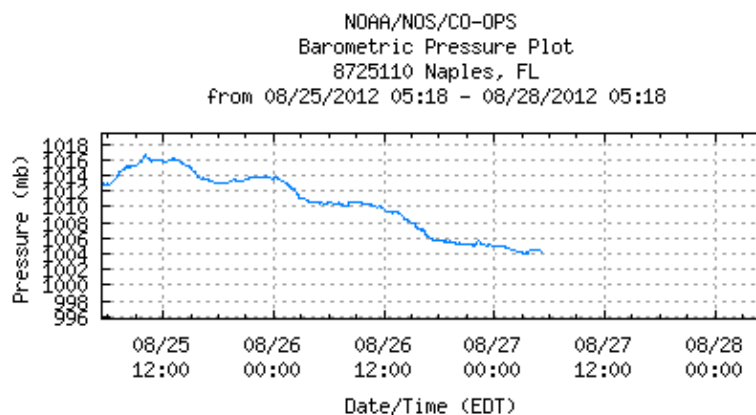
Naples, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Wind Speed: 13 knots **Gusts: 21 knots** **Direction: 144° T**

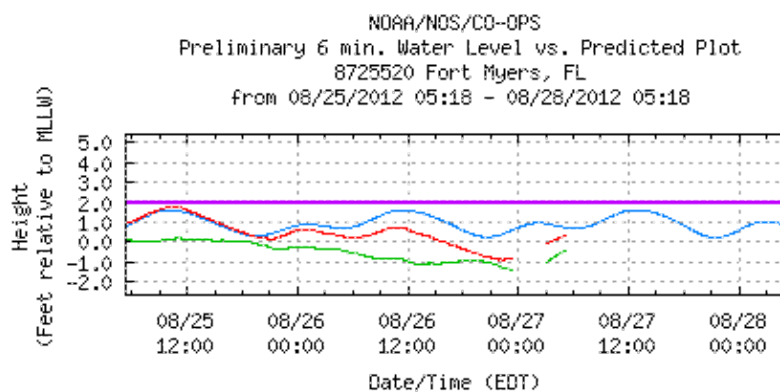
Naples, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1004.3 mb

Fort Myers, FL - Return to List

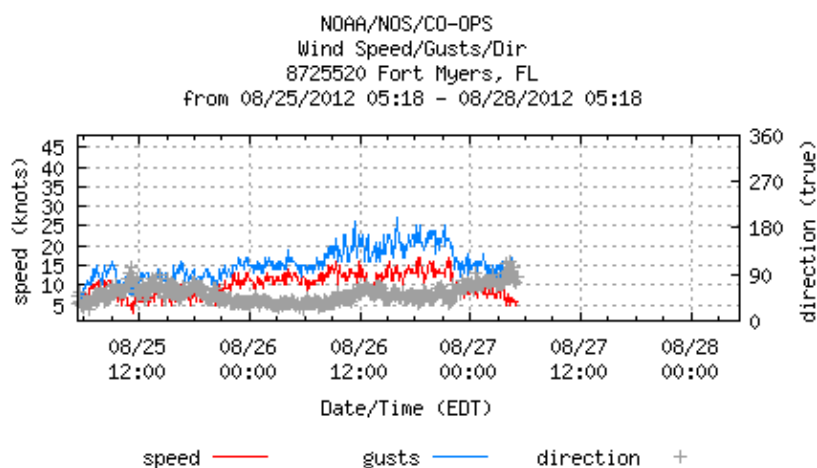


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 0.33 ft.** **Predicted: 0.74 ft.** **Residual: -0.41 ft.**

Historical Maximum Water Level: Nov 23 1988, 3.41 ft. above MHHW

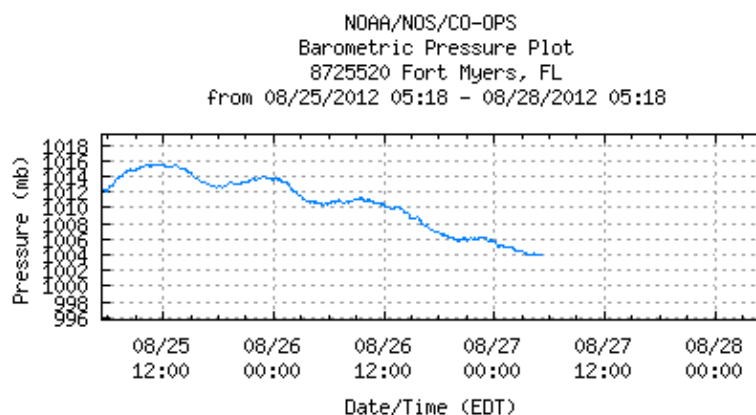
Fort Myers, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Wind Speed: 6 knots Gusts: 12 knots Direction: 84° T

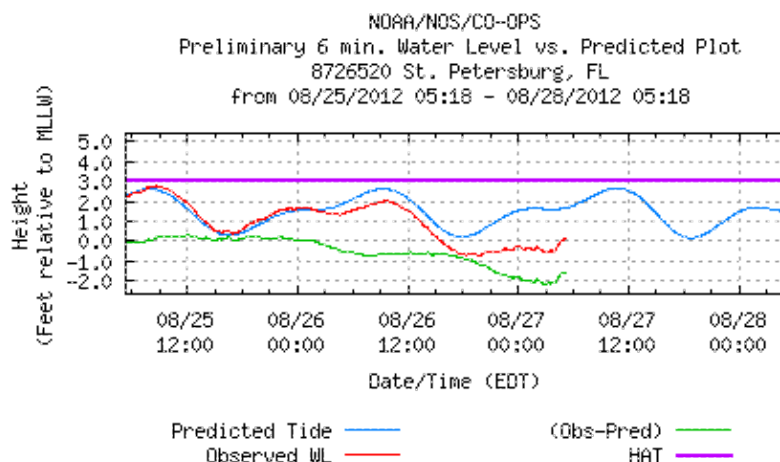
Fort Myers, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1004.1 mb

St. Petersburg, FL - Return to List

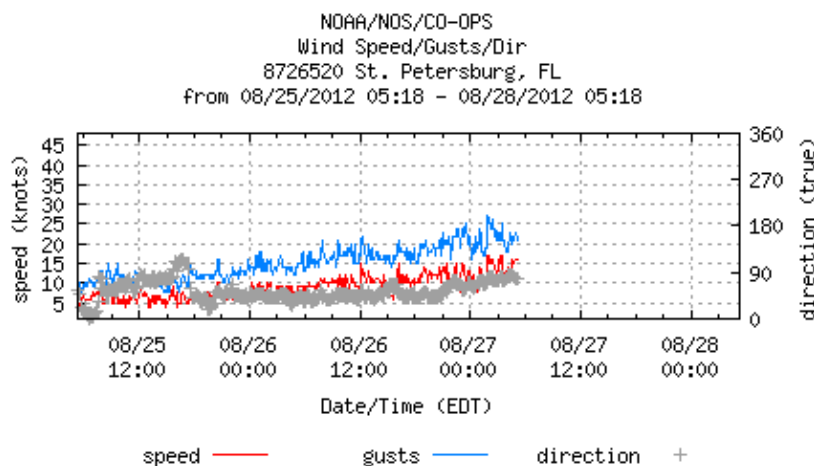


Last Observed Sample: 08/27/2012 05:06 (EDT)

Relative to MLLW: **Observed: 0.13 ft.** **Predicted: 1.67 ft.** **Residual: -1.54 ft.**

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

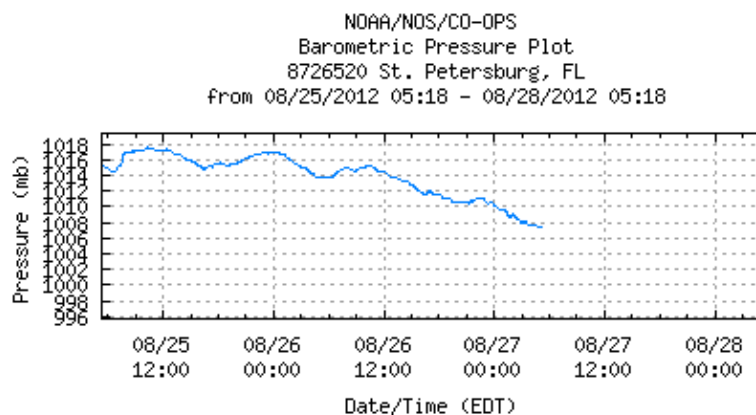
St. Petersburg, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Wind Speed: 16 knots **Gusts: 21 knots** **Direction: 78° T**

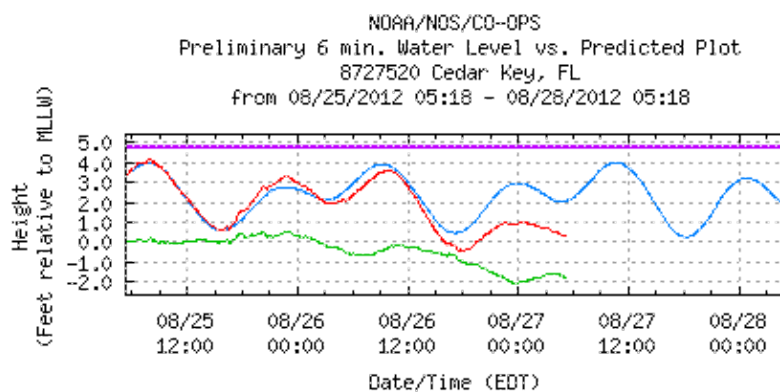
St. Petersburg, FL - Return to List



Last Observed Sample: 08/27/2012 05:06 (EDT)

Barometric Pressure: 1007.4 mb

Cedar Key, FL - Return to List

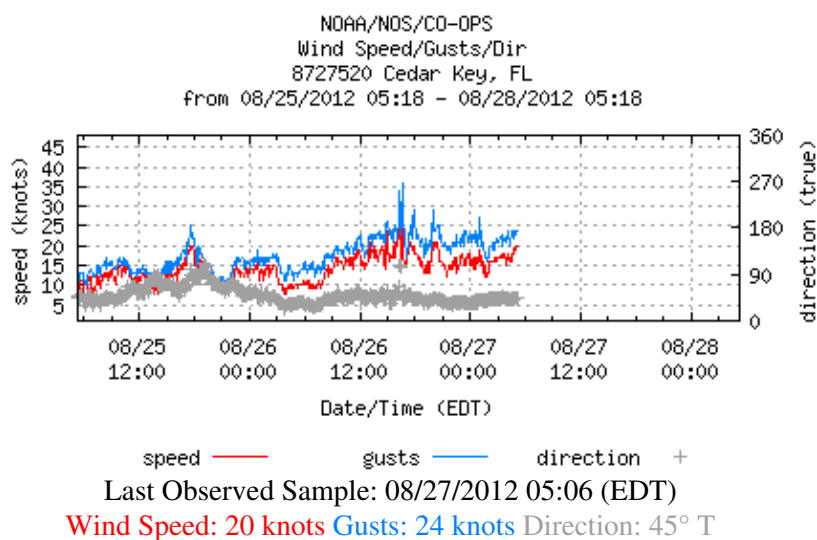


Last Observed Sample: 08/27/2012 05:06 (EDT)

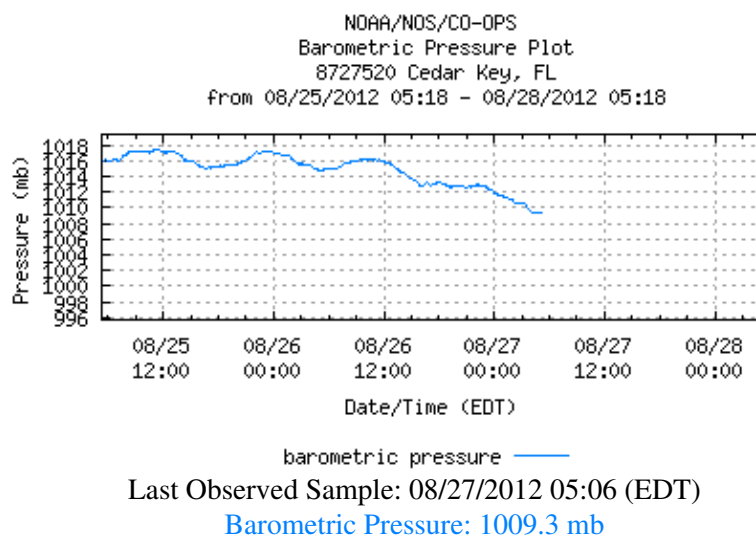
Relative to MLLW: **Observed: 0.31 ft.** **Predicted: 2.06 ft.** **Residual: -1.75 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

[Cedar Key, FL - Return to List](#)



[Cedar Key, FL - Return to List](#)



Tropical Storm ISAAC QuickLook, POSTED 06:00 EDT 08/27/2012

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce